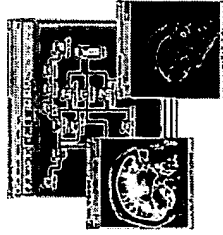# Examiner Search

Date: 9/16/04

What Is Khoros?

Khoros is KRI's primary software technology. Khoros is used as both a scientific problem solving environment and as a software development and integration environment.

Khoros provides:

- Solutions for scientific and engineering problems
- A Visual Programming Environment for Solution Creation and Problem Solving
- Software Development Environment and Tools
- Libraries for Portability, Scalability, Data Access, GUI creation, Data Visualization
- Visualization Applications

Containing approximately 900,000 lines of code, Khoros is made up of over 300 different programs and libraries that are organized into *toolboxes*. Each toolbox contains different capabilities; toolboxes may be mixed and matched according to the user's needs. Khoros supports a variety of computer platforms.

There are two versions of Khoros:

1. The commercial version, Khoros Pro, which is available for purchase on CDROM. To learn more about Khoros Pro 2001, please view our Khoros Pro 2001 On-Line Demo.

2. The Khoros Pro 2000 Student Version. This version of Khoros is licensed and restricted to use by qualifying students only.

Khoros is... instant solutions for common engineering and scientific data analysis and visualization problems

Khoros offers over 300 operators (programs) for *information processing, data exploration, and data visualization*. These operators facilitate problem solving in a wide variety of application domains used in research, science, government and industry. The broad categories into which operators are grouped include:

- Data Access and Manipulation
- Data Processing
- Data Visualization Applications
- Image Processing
- Matrix & Vector operators
- 3D Visualization and Software Rendering

- Sample Data for use with Khoros

Khoros is ... a visual programming environment for creation of customized solutions, modeling and simulation

All Khoros programs may be run independently or executed from within the *visual programming environment, Cantata*. With Cantata, visual programmers can use the information processing, data exploration, and data visualization operators of Khoros together in a graphically expressed, data flow visual language to rapidly prototype new solutions.

Khoros is ... software development tools that help you write new programs and maintain them throughout their life cycle

A suite of tools contained within an integrated *software development environment* allows you to write new data processing operators, create new visualization applications, and automatically extend the visual language to include new programs or integrate existing ones.

Khoros is ... libraries for portability, scalability, data access, GUI creation, data visualization

All the data processing and visualization routines in Khoros utilize the libraries provided by the three major *program services* that comprise the Khoros system infrastructure. These libraries were created by the KRI software development team over years of research, design and development during the process of creating and evolving the Khoros system. Public application programming interfaces (APIs) are provided by the Khoros program service libraries so that developers using Khoros can also employ the functionality provided by the Khoros infrastructure.

- *Foundation Services* provide a portable operating system abstraction.
- *Data Services* provide a powerful system for accessing and manipulating data.
- *GUI & Visualization Services* allow easy GUI creation and data visualization using images & graphics.

Khoros is ... Visualization Applications

Khoros offers a number of data visualization applications, including:

- *animate*, an image sequencing/animation program,
- *editimage*, an image display & manipulation package,
- *extractor*, an ROI extraction program,
- *getimage*, for capturing images from your workstation display,
- *xprism*, a 2D/3D plotting package,
- *putdata*, a non-interactive data display tool
- *editcmap*, a colormap alteration tool
- *spectrum*, an interactive image/signal classification application

The Khoros software system is composed of *toolboxes*.

A toolbox is a collection of programs and libraries that are managed as a single entity or object. Typically, a toolbox contains programs and libraries which have a similar function or common objective.

The toolboxes distributed by Khoral Research, Inc, as part of the the main Khoros system are described below. The only *required* toolboxes are bootstrap, dataserv, and design, although the datamanip and envision toolboxes are essential for doing any kind of information processing or visualization. You may pick and choose among the remaining toolboxes as you see fit.

* BOOTSTRAP contains Foundation Services and the base utilities for installing Khoros.
* DATASERV contains Data Services.
* DESIGN contains GUI & Visualization Services along with the software development applications.
* DATAMANIP contains general data manipulation operators.
* ENVISION contains general data visualization applications.
* GEOMETRY contains 3D visualization routines and a software renderer.
* IMAGE contains general image processing operators.
* MATRIX contains matrix and vector operators based on LAPACK.
* MIGRATION contains tools for migrating Khoros 1.0 programs.
* RETRO contains image processing operators from Khoros 1.0.
* SUPPORT contains miscellaneous utility programs.
* SAMPLEDATA contains sample data that may be used with Khoros.

Platforms

The Khoros system was developed using X Windows and the X Toolkit on a Unix-based operating system. Khoros supports a variety of platforms, including DEC/OSF, PC/Linux, SGI/Irix, and Sun/Solaris. It is also available for Windows NT 4.0 using the Exceed X-Server.

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www.avl.umd.edu/pkgs/khoros.html - 1k - Cached - More pages from this site

10. **U.S. GEOLOGICAL SURVEY BULLETIN 2016** ⊕
... line graph images, routines constructed in Khoros produced red, green, and blue images and ... KHOROS. Khoros was several important attributes ....
pubs.usgs.gov/bulletin/b2103/a.html - 20k - Cached - More pages from this site

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- **Korosh Is in Our Database** Phone numbers and addresses. Background checks. Satellite photos.
www.peopledata.com

1. **Khoral Inc: Custom Software Development and Khoros Pro Integrated Development Environment** ⊕
K H O R O S P R O. Is Now Available from AccuSoft as VisiQuest. Khoral is pleased to announce the successful acquisition
AccuSoft Corporation.
www.khoral.com/ - 10k - Cached - More pages from this site

2. **Imaging and Data Analysis Software - Toolkits** ⊕
ImageGear is a cross platform imaging toolkit & SDK. ... VisiQuest (formerly Khoros Pro) VisiQuest Overview. Visual Progi
www.khoral.com/khoros/whatis.html - 23k - Cached - More pages from this site

3. **Khoros at USF** ⊕
Khoros at USF. [MORE TO COME] Khoros is an integrated system of tools for data exploration and visualization. It is cu
case you have access to it, here is an example cantata session. kman
curiac.acomp.usf.edu/vis/khoros - 5k - Cached - More pages from this site

4. **WWW - Khoros at Unicamp Home Page** ⊕
Khoros at Unicamp. This is the KHOROS home page at: Department of Computer Engineering and Industrial Automation (
Computer Engineering (UNICAMP) State University of Campinas
www.dca.fee.unicamp.br/projects/khoros - 2k - Cached - More pages from this site

5. **Khoros** ⊕
Education. Publications. Staff. Location. Local. Khoros 1. Khoros 2 & nbsp. Page maintained by root. Last modified 18-Jar
www.tnt.uni-hannover.de/soft/imgproc/khoros - 4k - Cached - More pages from this site

6. **DIP Course** ⊕
Digital Image Processing (DIP) with Khoros 2. Version 1.0.2, September 17th 1997. Information. Preface. Lessons. Image
Image Manipulation. Point Operations (Dual Operands) Point Operations (Single Operand) ... With Khoros 2.2. Copyright ¢
Jordán , Roberto Lotufo . All Rights ....
www.eece.unm.edu/dip - 12k - Cached - More pages from this site

7. **Khoros Lab for TEMPUS CIDEC** ⊕
Khoros Lab for TEMPUS CIDEC Image Processing Course. Quick Course Overview. Contents. Introduction. What you net
Khoros. Signal processing. Enhancement. Colour. Edge detection. Morphology. Image restoration. Segmentation
www.cs.ioc.ee/~khoros2 - 13k - Cached - More pages from this site

8. **Getting Started with Khoros/Cantata** ⊕
Getting Started with Khoros/Cantata. This document provides a brief summary of information which will help you set up you
learn about the Khoros/Cantata environment. Contents: Setting Up Your Environment
splish.ee.byu.edu/tutorials/khoros/khoros.html - 2k - Cached - More pages from this site

9. **Software Package: khoros** ⊕
... khoros - Khoral Research, Inc. Khoros is no longer available via ftp ....

19. **Khoros**
... Khoros. About Khoros. Khoros Documentation. Using Khoros on the QPSF IBM SP ... Khoros is a software integratio which includes a suite of software development ...
www2.qpsf.edu.au/software/khoros.html - 18k - Cached - More pages from this site

20. **Toward Embedded Development from Advanced Khoros** (PDF)
... Toward Embedded Development from Advanced Khoros.Joe FoglerAlbuquerque High Performance Computing Center ... the Advanced Khorossoftware environment ...
ipdps.eece.unm.edu/1998/ehpc/10fogler.pdf - 128k - View as html - More pages from this site

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11. **Teaching Image Processing With Khoros**
Teaching Image Processing With Khoros The Khoros scientific software environment has become a popular tool for teach scope of Khoros and the communities emphasis on ...
citeseer.ist.psu.edu/133218.html - More pages from this site

12. **http://www.iavsc.org/repository/avs5/filters.html**
... unary is an avs module executable which contains 13 modules hacked from khoros. Unary Arithmetic Operations. data_ mappers misc source.tar stre tmp ...
www.iavsc.org/repository/avs5/filters.html - 477k - Cached - More pages from this site

13. **Cantata: Visual Programming Environment for the Khoros System** - Young, Argiro, Kubica (Research)
... a visual programming environment within the Khoros system. Cantata contains many features ... 1 Introduction Khoros development environment which includes ...
citeseer.ist.psu.edu/73526.html - 19k - Cached - More pages from this site

14. **Khoros – A Software Environment for Data Processing and Visualization** (PDF)
... 1Khoros-. A Software Environment for Data Processing and. VisualizationWei YuContentsnWhat is Khoros?nThe Histc KhorosnThe ...
ei.cs.vt.edu/~cs6704/Khoros_C.pdf - 463k - View as html - More pages from this site

15. **Khoros Pro**
... The Khoros Pro application environment provides a rich set of programs for information processing, data ... Each Khorc once before using the ...
www.ai.uga.edu/sun/node50.html - 3k - Cached - More pages from this site

16. **AccuSoft Corporation**
manufacturer of high performance solutions including digital, medical, desktop, Internet, and photo imaging.
Category: Graphics Software > Imaging
www.accusoft.com/ - 20k - Cached - More pages from this site

17. **Khoros Manuals: Installation Guide**
Appendix A. Troubleshooting Guide. Solving Technical Difficulties. If you encounter technical difficulties, please follow thesi Guide completely. ... KRI's anonymous FTP site at ftp.khoral.com in the file / pub/khoros/FAQ/K2_compile_FAQ ... post me Newsgroup, comp.soft-sys.khorosor access ...
rab.ict.pwr.wroc.pl/khoros_root/manual/manual/InstallGuideFTP/HTML/tro uble.ht... - 30k - Cached - More pages from this site

18. **Usenet Replayer message view** <20021016000000.SAA02717@khoral.com>
Tools, techniques, and solutions for the scientists. ... 1.1. Manual sections on Khoros Pro 2001 Software Development ... h Khoros 2.2, or Khoros Pro 2000 software to Khoros Pro 2001? ...
www.usenet-replayer.com/faq/comp.soft-sys.khoros.html - 47k - Cached - More pages from this site

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1. **THE KHOROS SOFTWARE DEVELOPMENT ENVIRONMENT FOR IMAGE AND SIGNAL PROCESS**
THE KHOROS SOFTWARE DEVELOPMENT ENVIRONMENTFORIMAGE AND SIGNAL PROCESSINGKonstantinos Kor
†ABSTRACTData flow visual language systems allow users to graphically create a block diagram of their ... edge detection
multiband **MRI** image, where ...
www.hpl.hp.com/techreports/92/HPL-92-96.pdf - 340k - <u>View as html</u> - <u>More pages from this site</u>

2. **EduNMRSoft 1.1.1 - Imaging** 🔁
... **MRI**-Simulation. **MRI** teaching modules (for Macintosh). Several different are available (Signa tutor, Fast scan, Image ...
http://www.khoros.unm.edu/khoros ...
www.theochem.uni-duisburg.de/PC/NMR/Software/EduNMR-6.html - 4k - <u>Cached</u> - <u>More pages from this site</u>

3. **http://www.cv.nrao.edu/fits/traffic/scidataformats/sdf.93/sdf.9307** 🔁
... I have multiple **MRI** images, which I process in khoros, and want to try reformatting in an ... I have >multiple **MRI** images
to ...
www.cv.nrao.edu/fits/traffic/scidataformats/sdf.93/sdf.9307.9307 - 56k - <u>Cached</u> - <u>More pages from this site</u>

4. **Writing Software With Khoros** (PDF) 🔁
... Chapter 5Writing Software With KhorosCopyright (C) 1993 - 1999, Khoral ... Software With KhorosToolbox Programmir
provided a variety of **MRI** images in ...
www.prip.tuwien.ac.at/Teaching/WS/ProgBVS/docs/tp_5_software.pdf - 180k - <u>View as html</u> - <u>More pages from this site</u>

5. **Digital Image Processing (DIP) with Khoros 2** 🔁
... List of Images for DIP with Khoros 2 Course ... head.viff. 256x228xfloat: **MRI** head slice. ipanema-leblon.viff ...
www.sis.ucm.es/dipcourse/html/list-of-data.html - 9k - <u>Cached</u> - <u>More pages from this site</u>

6. **Digital Image Processing (DIP) with Khoros Pro 2001** 🔁
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www.gds.uni-wuppertal.de/deu/stud/cg/dip2001/html-dip/www/list-of-data.html - 10k - <u>Cached</u> - <u>More pages from this site</u>

7. **Clinical Image Processing Department - Software** 🔁
Clinical Imaging Processing Software Depository ... ImagNSpect** JWAVE. Khoros. JWAVE. Khoros. LEADTOOLS. Lyng
processing and displaying functional **MRI** data. It was designed and written at MCW, largely by ...
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8. **ECR 97 Presentation 1477** 🔁
... a 1.2 GB harddisk, running LINUX and the KHOROS package) is linked to an ethernet of laser imagers ... software that c
the PC ...
www.ecr.org/conferences/ecr1997/sciprg/abs/9701477o.htm - 2k - <u>Cached</u> - <u>More pages from this site</u>

9. **Voxels visualizers** 🔁
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either IDL and MATLAB are ...
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10. **mrh website - Visualisation Tools:** 🔁
Archive document listing a wide variety of visualisation tools. ... Khoros Sun, SGI, DEC, HP, IBM, NeXT The Khoros Grou
first get: /pub/khoros/release/ install ...

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-	4	(("4952877") or ("4992736")).PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/16 09:41
-	2	("6167293").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/16 09:51
-	11	("5222500" | "5287273" | "5301672" | "5363844" | "5417213" | "5429134" | "5509412" | "5515863" | "5553619" | "5579767" | "5590654").PN.	USPAT	2004/09/16 09:46
-	8	6167293.URPN.	USPAT	2004/09/16 09:47
-	172	MRI and NMR and (k adj space) and (spin adj echo) and (gradient adj echo)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/16 09:52
-	22	MRI and NMR and (k adj space) and (((spin adj echo) and (gradient adj echo)) same (3D and 2D))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/16 10:41
-	2	("6157194").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/16 12:04
-	4	("5452416" | "5606258" | "5726571" | "5740267").PN.	USPAT	2004/09/16 10:41
-	4	6157194.URPN.	USPAT	2004/09/16 12:05
-	2	("6157194").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/16 12:08
-	397	MRI same (gradient adj coil) same (RF adj coil)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/16 12:08
-	179	(MRI same (gradient adj coil) same (RF adj coil)).bsum.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/16 12:16
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-	17	(MRI and (acquisition adj order)).bsum.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/16 12:19
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-	388	(polariz$4 adj magnet) and (gradient adj coil) and (RF adj coil)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/16 14:14

-	330	(polariz$4 adj magnet) same (gradient adj coil) same (RF adj coil)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/16 14:14
-	7	((polariz$4 adj magnet) same (gradient adj coil) same (RF adj coil)).bsum.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/16 14:18
-	3	((polariz$4 adj magnet) same (gradient adj coil) same (RF adj coil)) same (conventional or traditional)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/16 14:19